

FIG.1

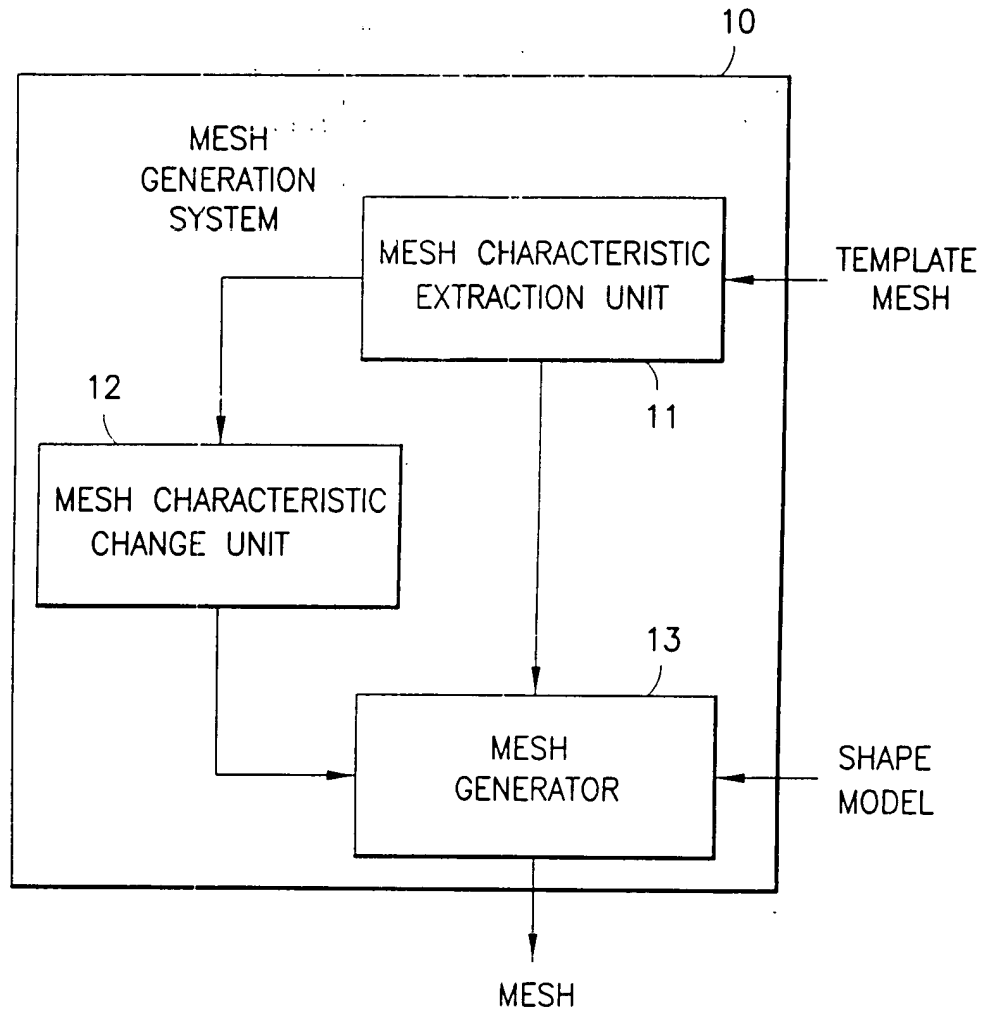
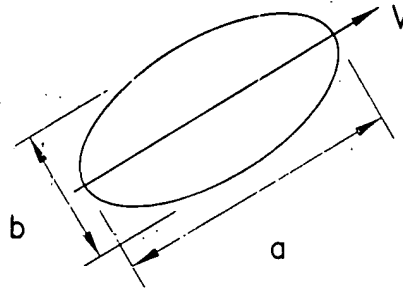


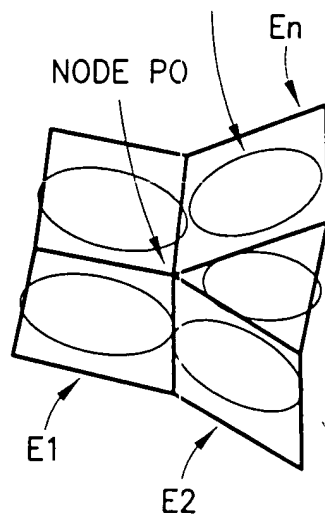
FIG.2



DIRECTION OF FLOW: V
MESH SIZE: a
ASPECT RATIO: b/a

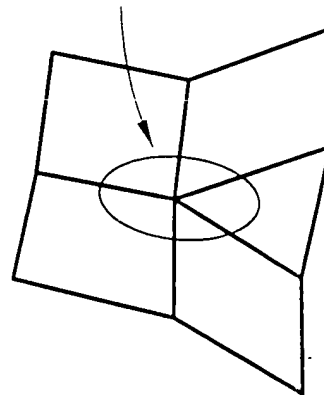
FIG.3

ELLIPSE REPRESENTING
INERTIA TENSOR



(a) TENSOR CALCULATION
FOR ADJACENT ELEMENT

ELLIPSE REPRESENTING
TENSOR OF NODE
(CALCULATE AS THE WEIGHTED
SUM OF INERTIA TENSOR)



(b) TENSOR CALCULATION
FOR NODE

FIG.4

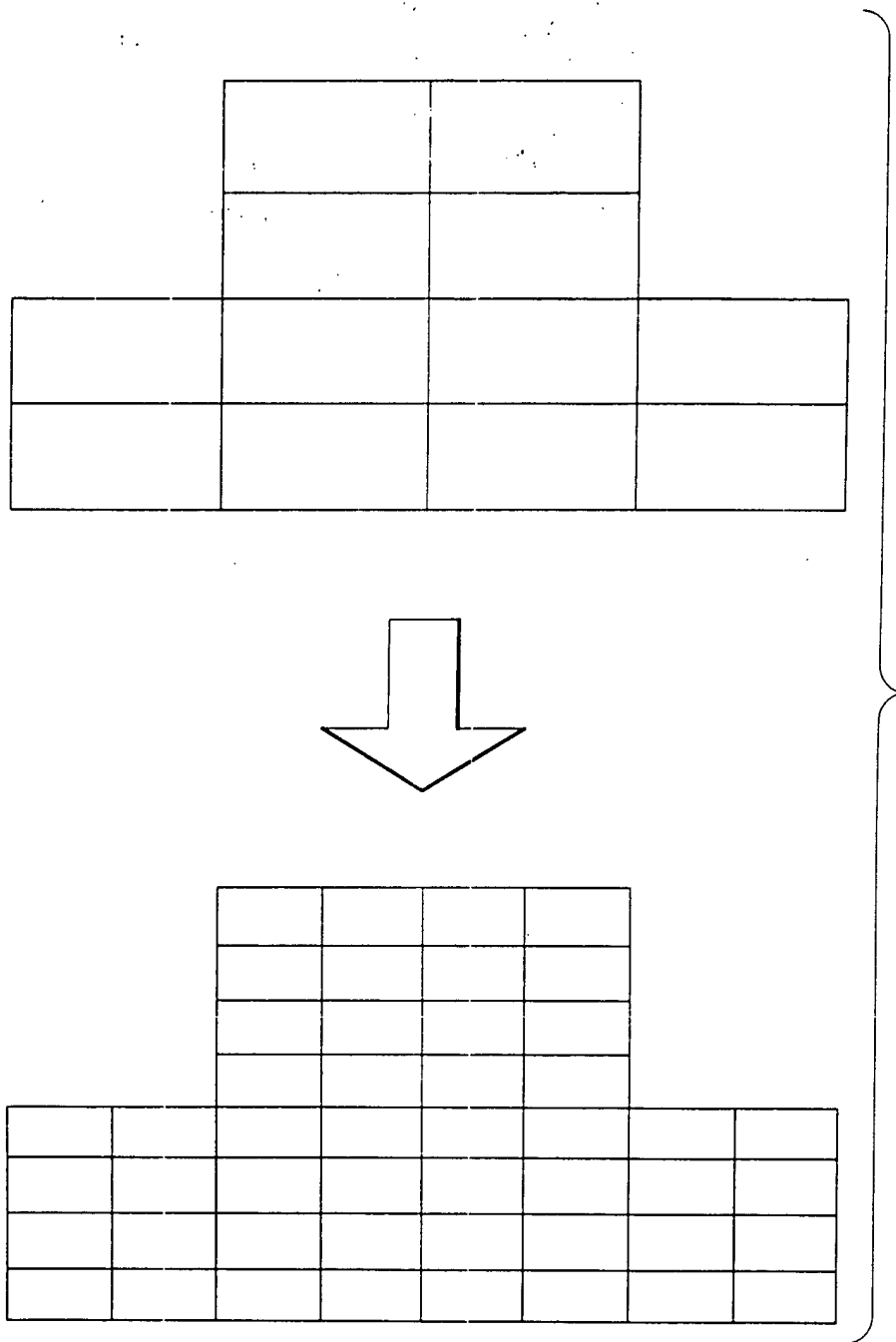


FIG.5

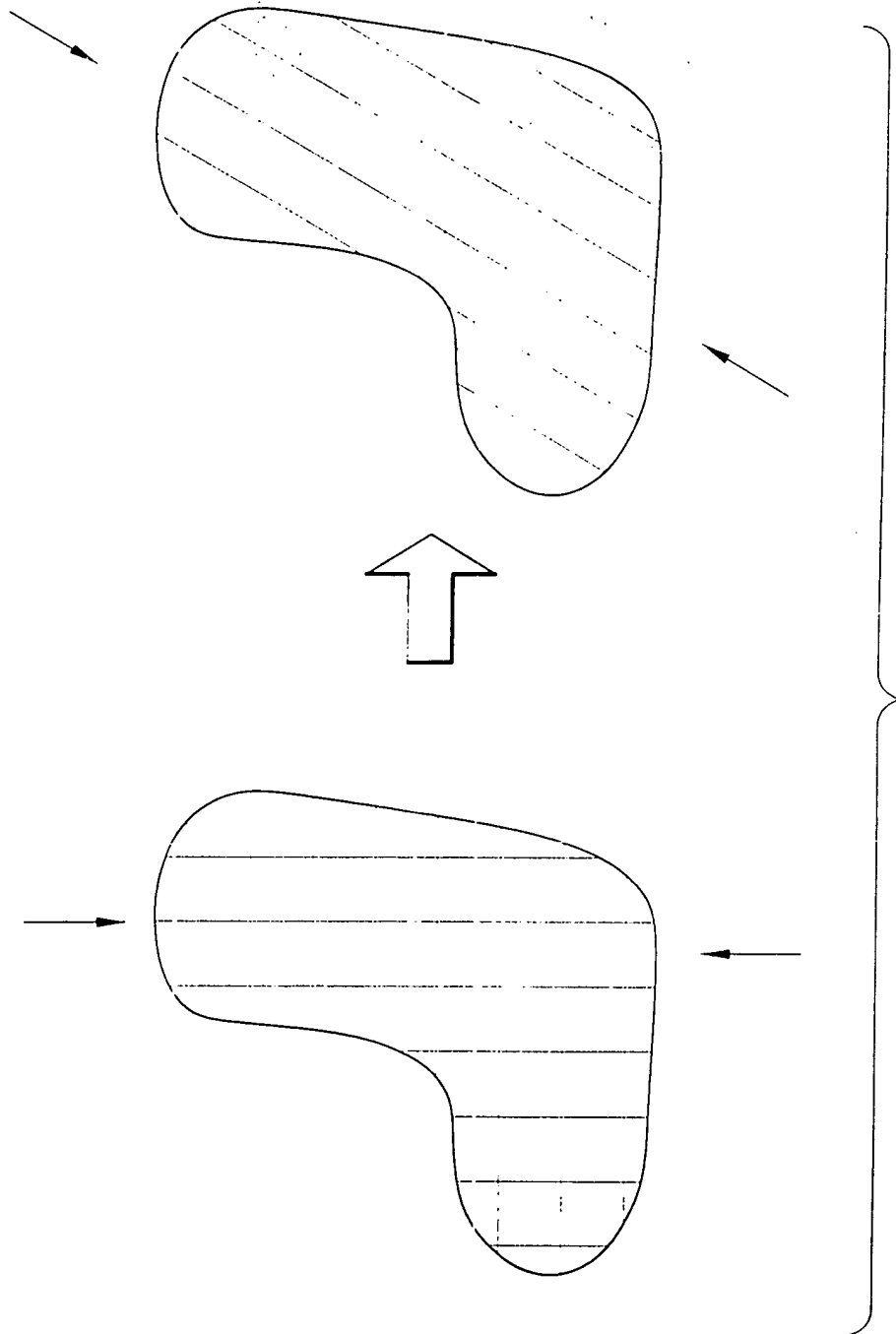
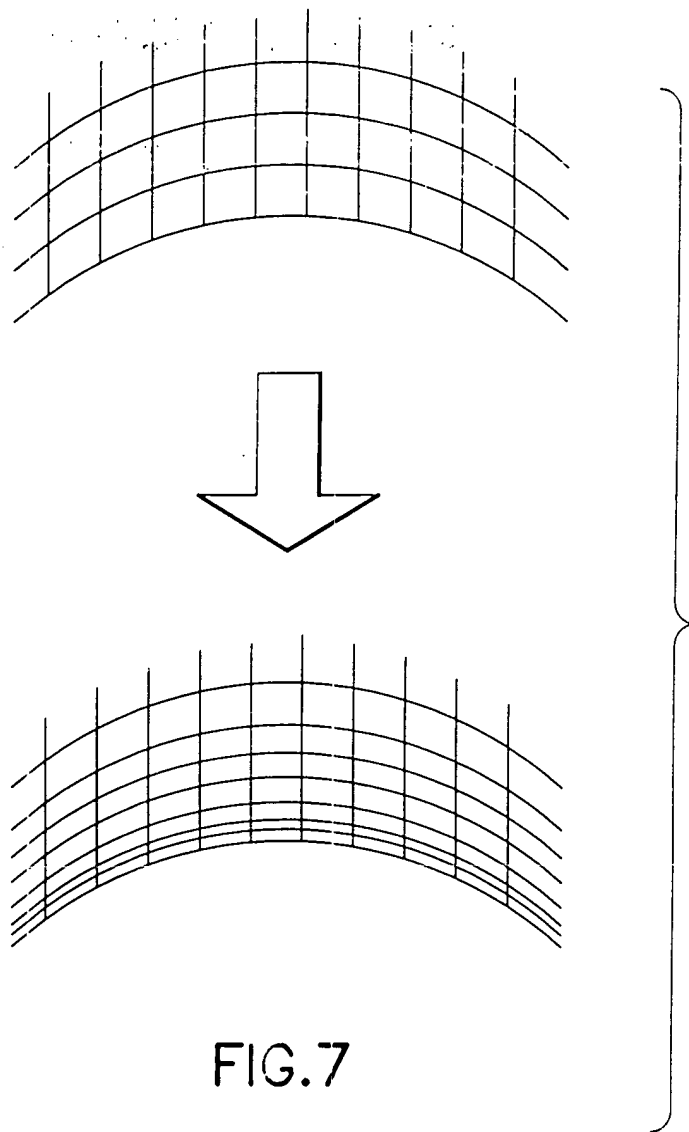


FIG.6



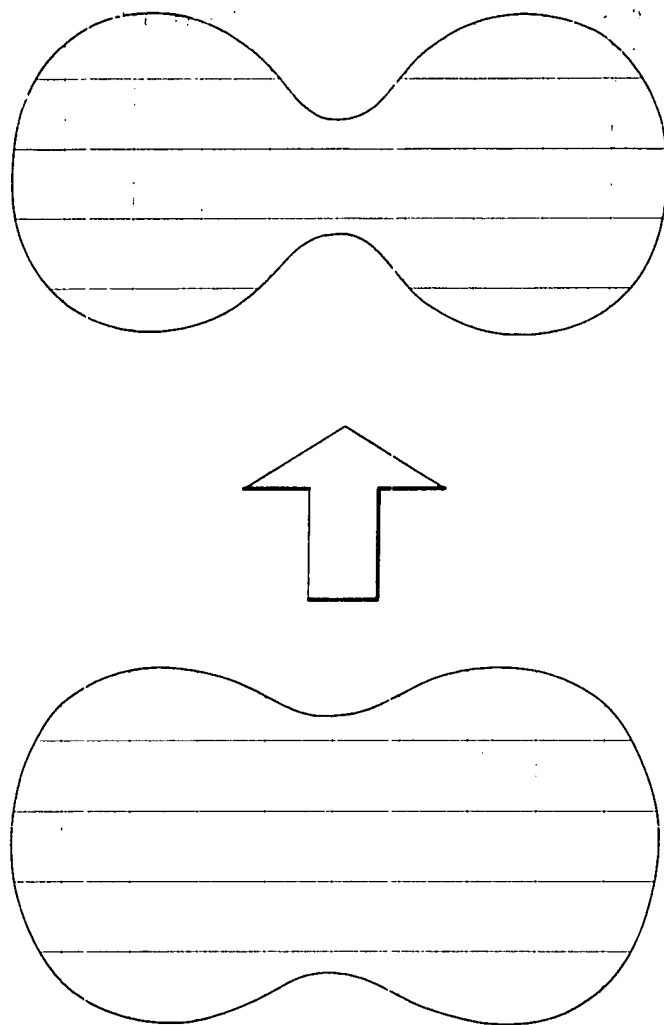


FIG.8

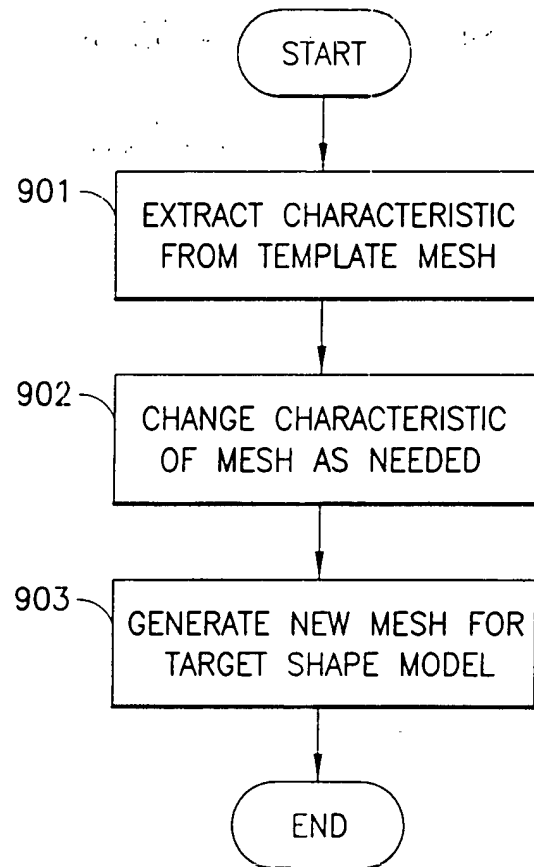


FIG.9

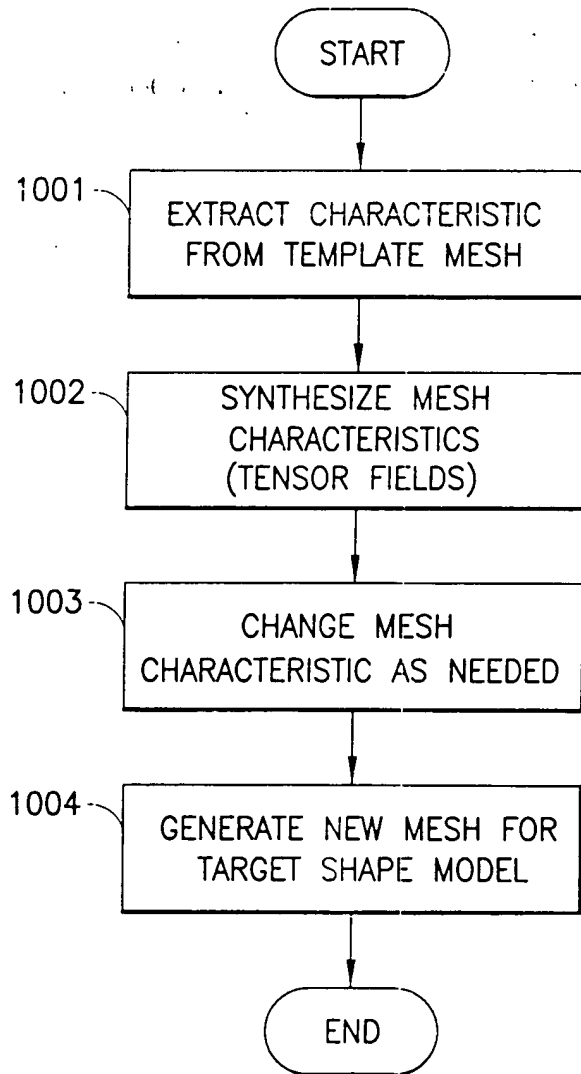


FIG.10

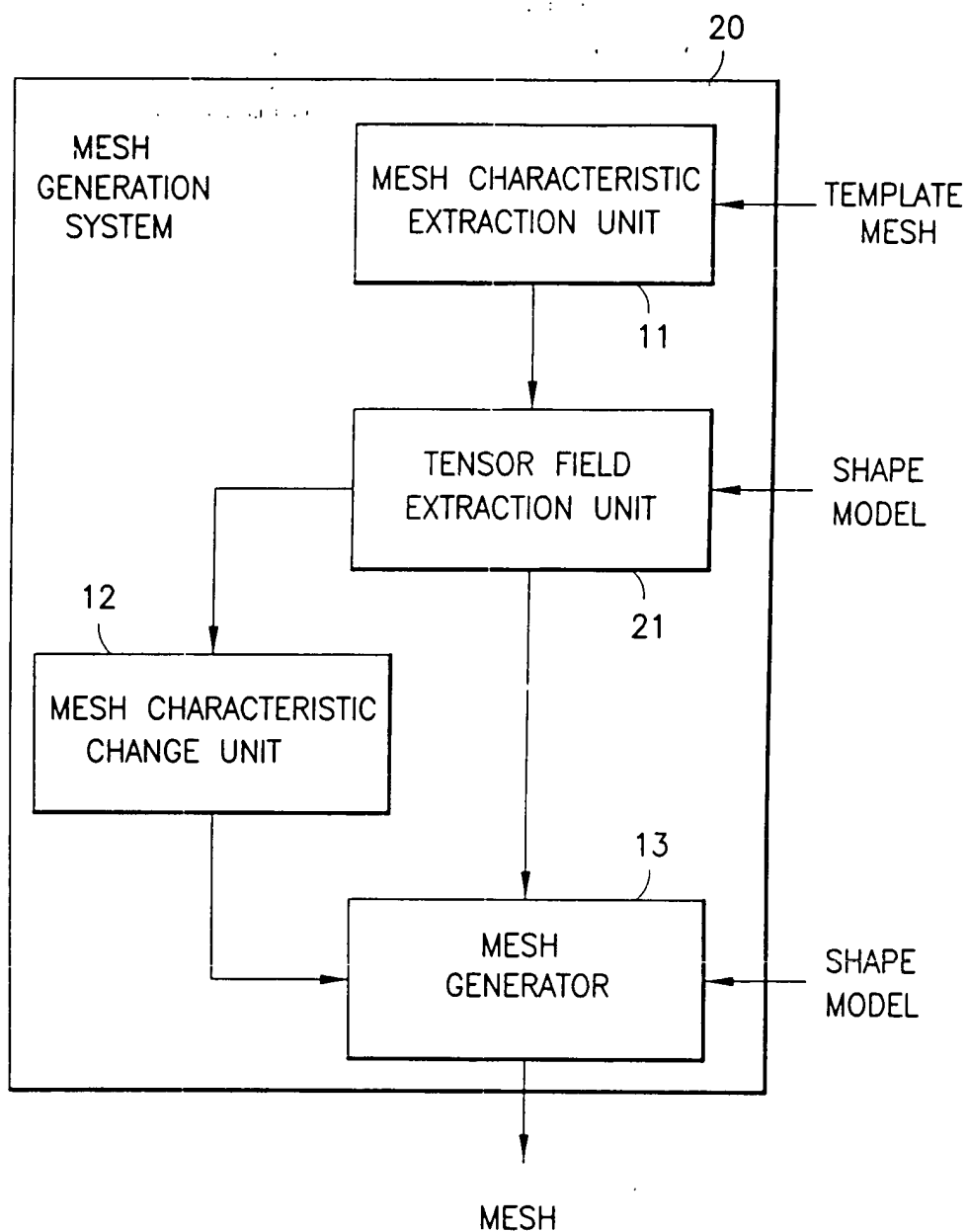
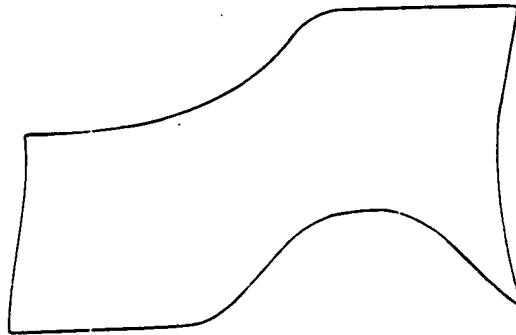
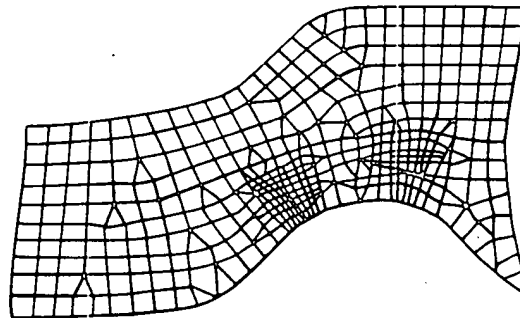


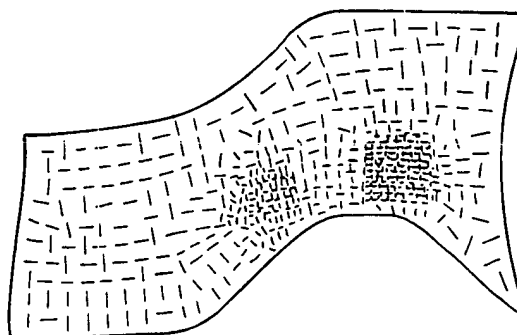
FIG.11



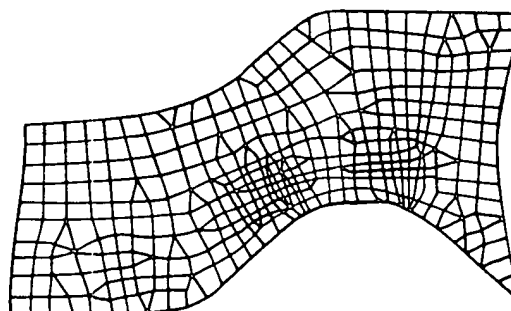
SHAPE MODEL
FIG.12a



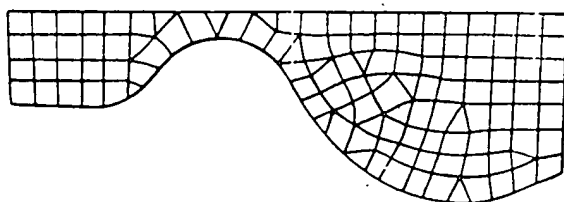
TEMPLATE MESH
FIG.12b



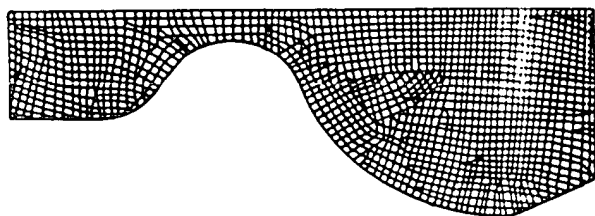
TENSOR FIELD
FIG.12c



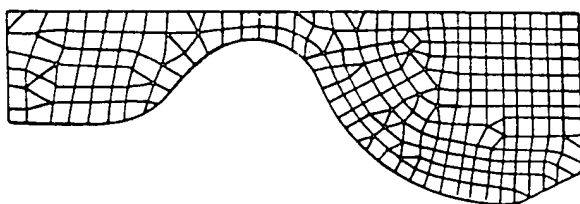
GENERATED MESH
FIG.12d



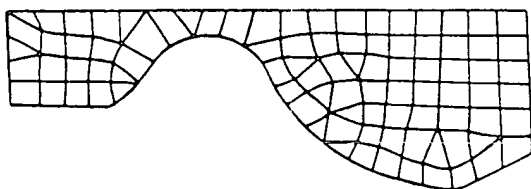
10mm PITCH
FIG. 13a



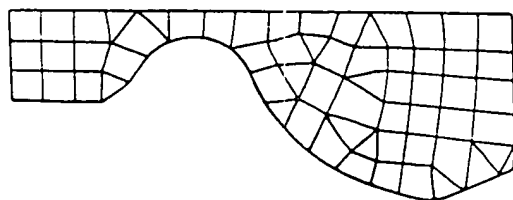
3mm PITCH
FIG. 13b



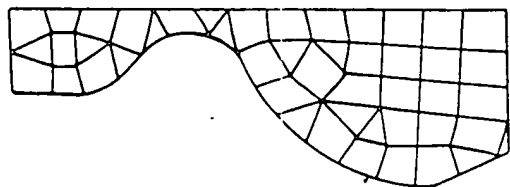
6mm PITCH
FIG. 13c



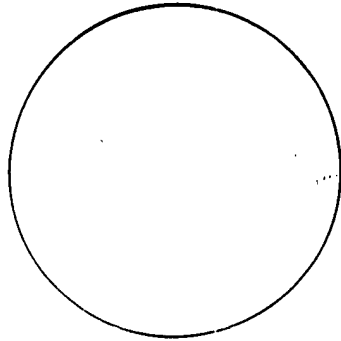
12mm PITCH
FIG. 13d



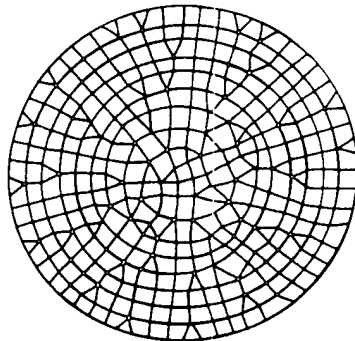
15mm PITCH
FIG. 13e



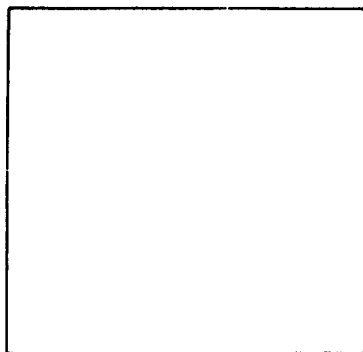
18mm PITCH
FIG. 13f



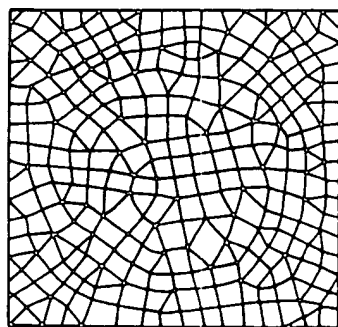
SHAPE MODEL
FIG. 14a



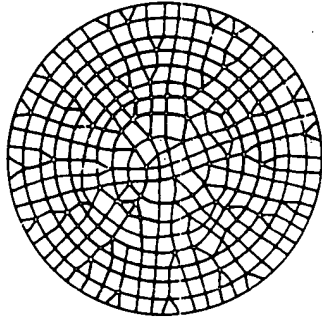
TEMPLATE MESH
FIG. 14b



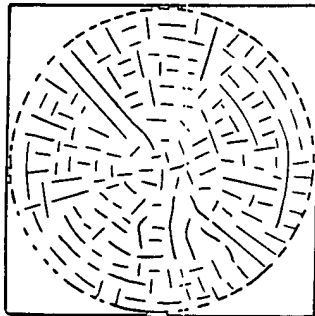
SHAPE MODEL
FIG. 14c



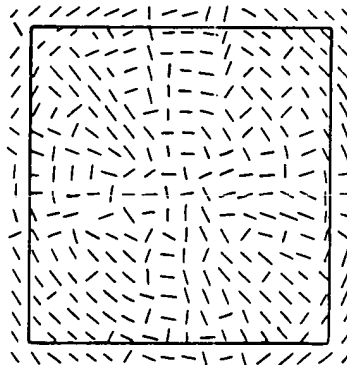
GENERATED MESH
FIG. 14d



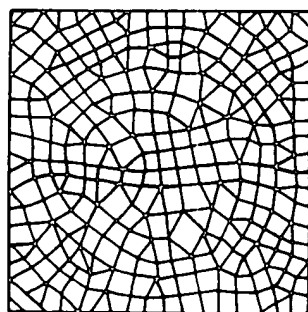
TEMPLATE MESH
FIG.15a



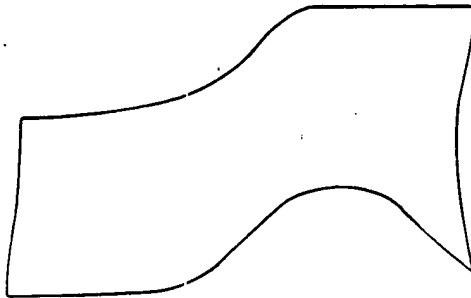
AREA OF SHAPE MODEL
FIG.15b



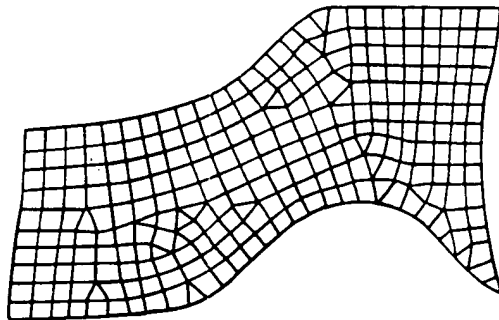
EXTRAPOLATED TENSOR FIELD
FIG.15c



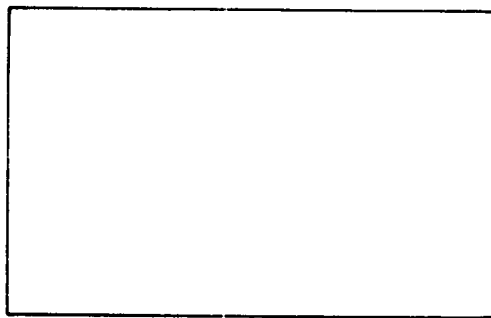
GENERATED MESH
FIG.15d



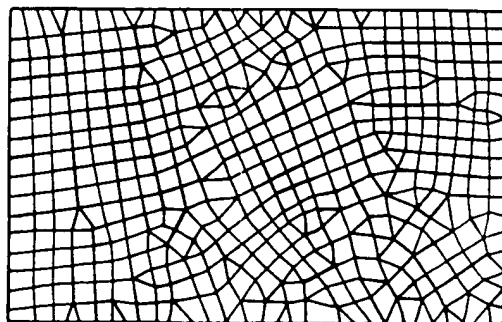
SHAPE MODEL
FIG.16a



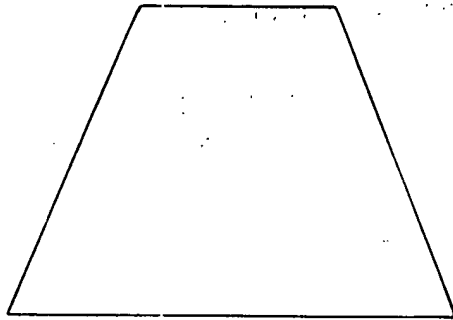
TEMPLATE MESH
FIG.16b



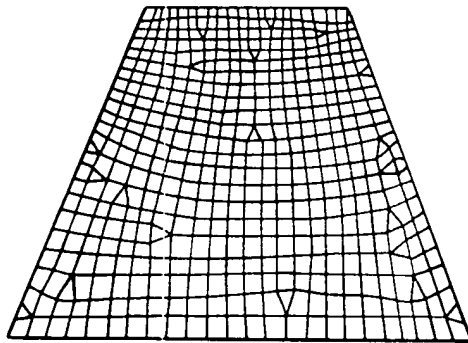
SHAPE MODEL
FIG.16c



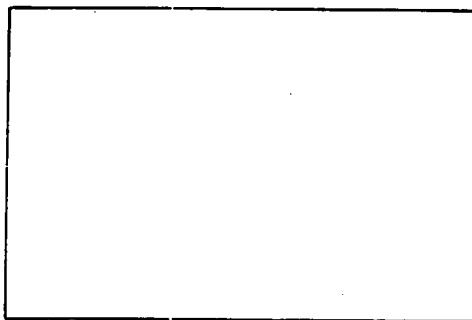
GENERATED MESH
FIG.16d



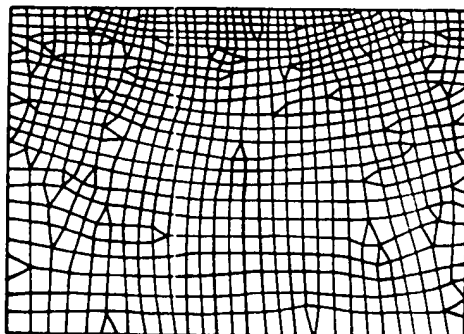
SHAPE MODEL
FIG.17a



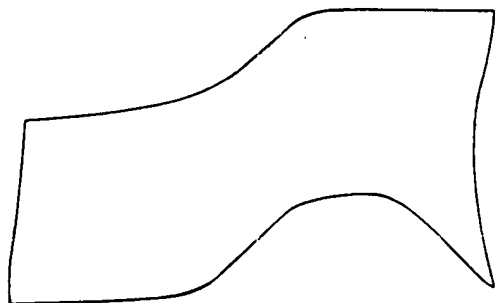
TEMPLATE MESH
FIG.17b



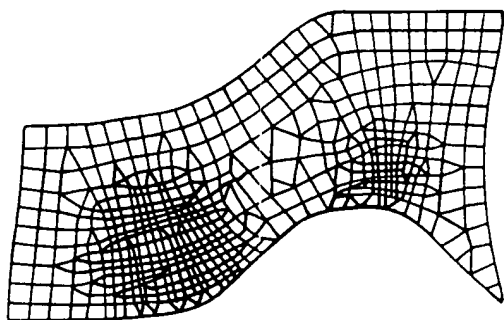
SHAPE MODEL
FIG.17c



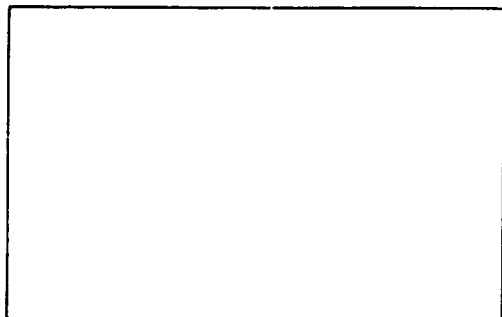
GENERATED MESH
FIG.17d



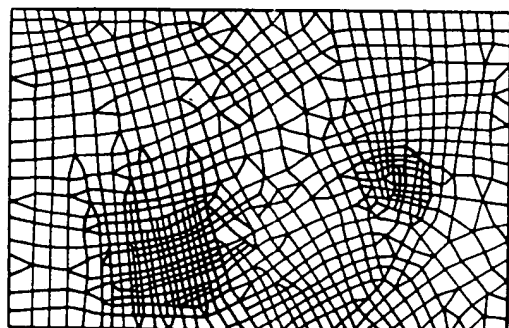
SHAPE MODEL
FIG.18a



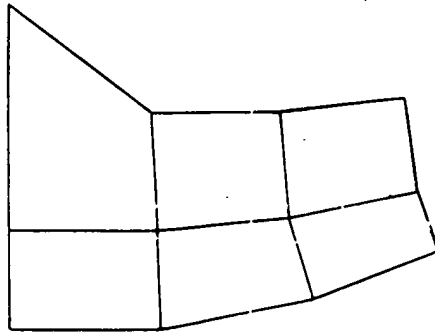
TEMPLATE MESH
FIG.18b



SHAPE MODEL
FIG.18c

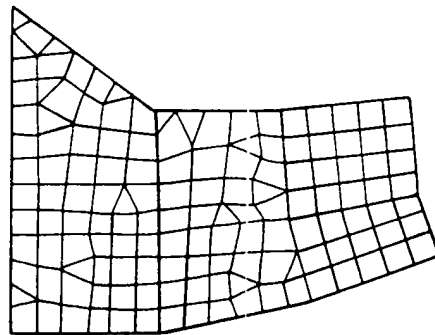


GENERATED MESH
FIG.18d



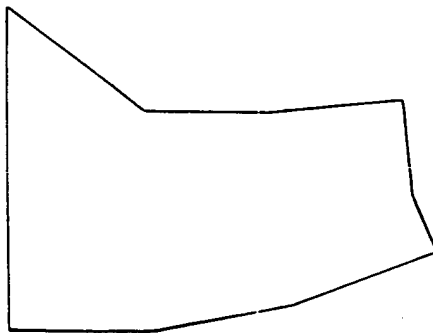
SHAPE MODEL HAVING
INNER LINE RESTRICTION

FIG.19a



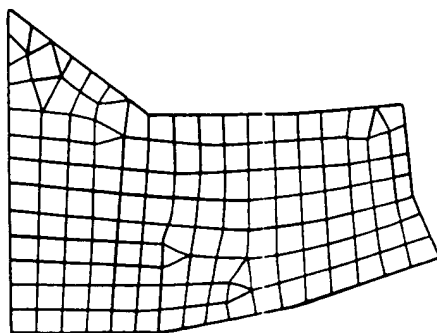
TEMPLATE MESH

FIG.19b



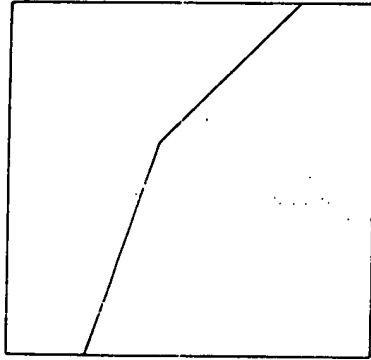
SHAPE MODEL HAVING NO
INNER LINE RESTRICTION

FIG.19c

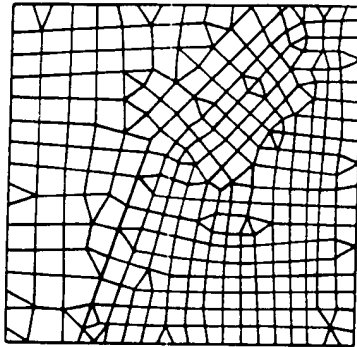


GENERATED MESH

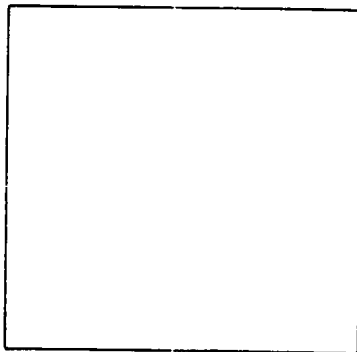
FIG.19d



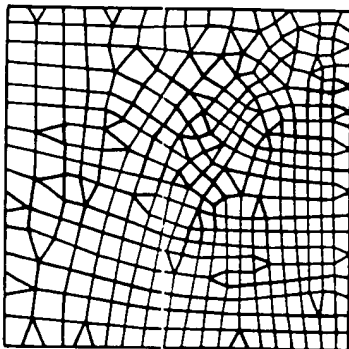
SHAPE MODEL HAVING
INNER LINE RESTRICTION
FIG.20a



TEMPLATE MESH
FIG.20b



SHAPE MODEL HAVING NO
INNER LINE RESTRICTION
FIG.20c



GENERATED MESH
FIG.20d

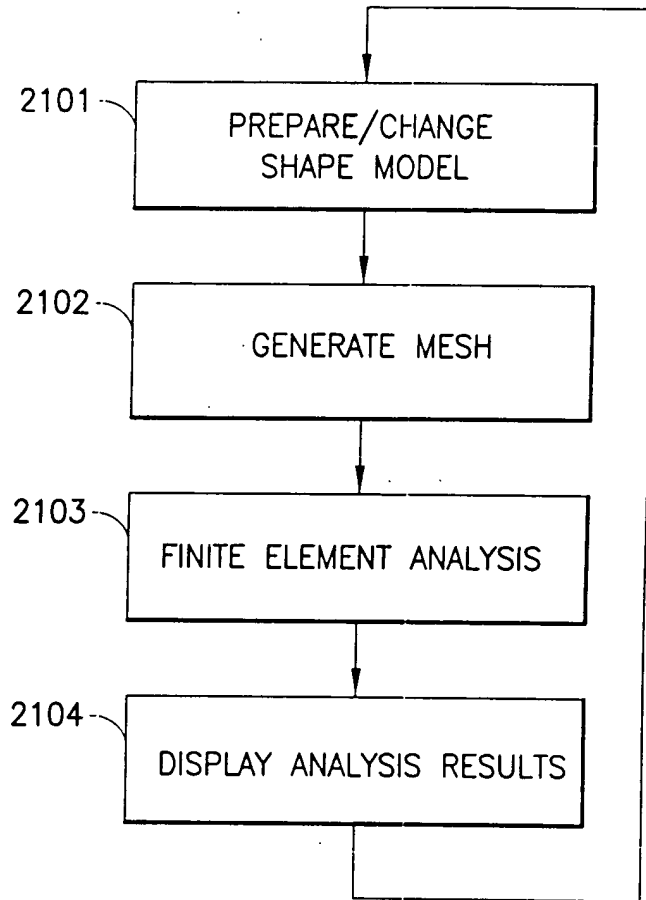


FIG.21

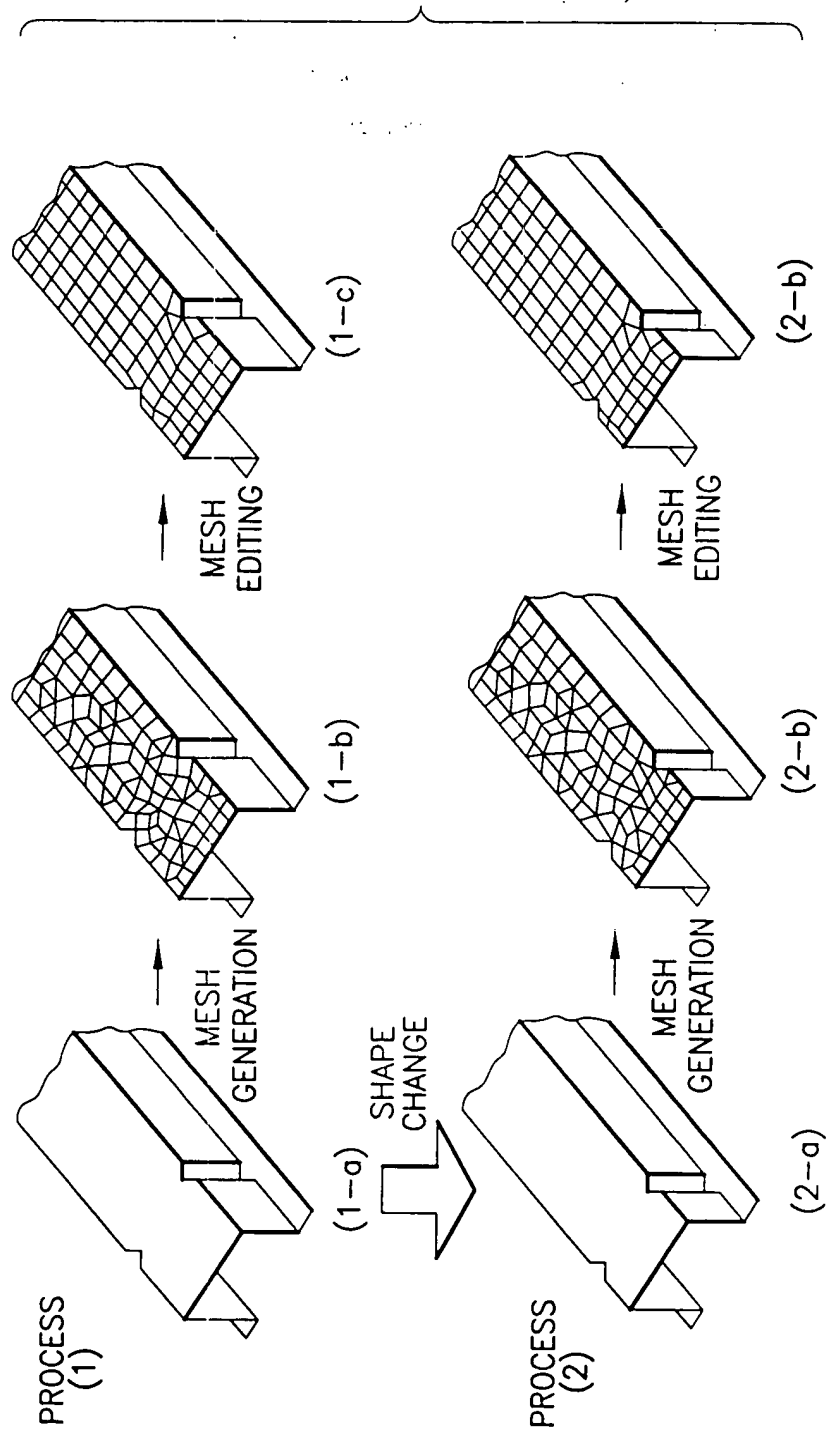


FIG.22